Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/19/2021 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125417	0	3.23	125499	3.26
Blue	F	SSC	125000	124407	-1	4.33	125126	4.35
Blue	E	FITC	14203	13882	-3	3.21	301	15.93
Blue	D	PE	25703	25476	-1	2.95	552	11.35
Blue	B	PerCP-Cy5-5	42104	41461	-2	3.52	923	15.62
Blue	A	PE-Cy7	34646	34174	-2	4.82	486	30.08
Red	C	APC	49824	49629	-1	3.21	1515	11.66
Red	A	APC-Cy7	39773	38736	-3	3.28	722	11.99
Violet	B	V450	7447	7176	-4	4.08	417	13.01
Violet	A	V500	31193	30391	-3	3.98	694	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21528	3.21	558	2	N/A	N/A	Pass
Blue	F	SSC	54599	3.64	520	8	N/A	N/A	Pass
Blue	E	FITC	56	55.60	489	3	0.0384	191	Pass
Blue	D	PE	108	40.43	491	6	0.3189	255	Pass
Blue	B	PerCP-Cy5-5	176	36.77	582	5	0.0165	0	Pass
Blue	A	PE-Cy7	112	64.86	626	6	0.0210	0	Pass
Red	C	APC	355	24.88	572	5	0.0274	158	Pass
Red	A	APC-Cy7	200	25.59	547	3	0.0063	1098	Pass
Violet	B	V450	92	43.80	450	1	0.0473	2084	Pass
Violet	A	V500	121	33.23	468	1	0.0287	1750	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.90	-31.58	1.05
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	19.47	15.99 - 23.99	N/A	N/A	29.85	30.27	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9802

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments